MC 87-I-23

PRELIMINARY REPORT
INDUSTRY SERIES

# 1987 Census of Manufactures

MC87-I-23B(P)
Issued May 1989

## WOMEN'S AND MISSES' OUTERWEAR

Industries 2331, 2335, 2337, and 2339

### INTRODUCTION

This report presents preliminary statistics from the 1987 Census of Manufactures for those establishments classified in the industries listed above. These data will be superseded by a more comprehensive final paperbound report. The method of data collection and use of administrative data are discussed in detail in the appendix.

All dollar figures included in this report are at prices current for the year specified and, therefore, unadjusted for changes in price levels. Consequently, when making comparisons to prior years, users should take into consideration the inflation that has occurred.

The definitions of these industries are the same as those used in the 1987 Standard Industrial Classification (SIC) Manual.[1]

### INDUSTRY 2331, WOMEN'S, MISSES', AND JUNIORS' BLOUSES AND SHIRTS

In the 1987 Census of Manufactures, Industry 2331, Women's, Misses', and Juniors' Blouses and Shirts, had employment of 74.2 thousand. The employment figure was 20 percent below the 92.2 thousand reported in 1982. Compared with 1986, employment in 1987 decreased 5 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was $3.9 billion.

In 1987, establishments in this industry accounted for 70 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 71. The products primary to this industry appear in table 2 and aggregated to $4.2 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to $2.0 billion in 1987. Data on specific materials consumed appear in table 3.

### INDUSTRY 2335, WOMEN'S, MISSES', AND JUNIORS' DRESSES

In the 1987 Census of Manufactures, Industry 2335, Women's, Misses', and Juniors' Dresses, had employment of 113.2 thousand. The employment figure was 18 percent below the 137.9 thousand reported in 1982. Compared with 1986, employment in 1987 increased 1 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipment for establishments classified in this industry was $6.4 billion.

In 1987, establishments in this industry accounted for 95 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 94. The products primary to this industry appear in table 2 and aggregated to $6.3 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to $3.3 billion in 1987. Data on specific materials consumed appear in table 3.

[1] **Standard Industrial Classification Manual: 1987.** For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

Address inquiries to Bureau of the Census, Industry Division, Washington, DC 20233, or call **Christina Smith** (301) 763-2510.

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## INDUSTRY 2337, WOMEN'S, MISSES', AND JUNIORS' SUITS AND COATS

In the 1987 Census of Manufactures, Industry 2337, Women's, Misses', and Juniors' Suits and Coats, had employment of 54.5 thousand. The employment figure was 30 percent below the 78.2 thousand reported in 1982. Compared with 1986, employment in 1987 increased 14 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was $4.5 billion.

In 1987, establishments in this industry accounted for 77 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 82. The products primary to this industry appear in table 2 and aggregated to $4.0 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to $2.5 billion in 1987. Data on specific materials consumed appear in table 3.

## INDUSTRY 2339, WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR, N.E.C.

In the 1987 Census of Manufactures, Industry 2339, Women's, Misses', and Juniors' Outerwear, N.E.C., had employment of 108.0 thousand. The employment figure was 2 percent below the 110.7 thousand reported in 1982. Compared with 1986, employment in 1987 increased 17 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was $5.4 billion.

In 1987, establishments in this industry accounted for 66 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 70. The products primary to this industry appear in table 2 and aggregated to $5.7 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to $2.6 billion in 1987. Data on specific materials consumed appear in table 3.

## ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables in this publication:

| | |
|---|---|
| - | Represents zero. |
| (D) | Withheld to avoid disclosing data for individual companies; data are included in higher level totals. |
| (NA) | Not available. |
| (NC) | Not comparable. |
| (S) | Withheld because estimate did not meet publication standards on the basis of either the response rate or a consistency review. |
| (X) | Not applicable. |
| (Z) | Less than half the unit shown. |
| do | Ditto. |
| n.e.c. | Not elsewhere classified. |
| n.s.k. | Not specified by kind. |
| pt. | Part. |
| r | Revised. |
| SIC | Standard Industrial Classification. |

Other abbreviations, such as lb, gal, yd, doz, bbl, and s tons, are used in the customary sense.

## CONTACTS FOR DATA USERS

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|---|---|---|
| Census/ASM | | |
| Durables | Kenneth Hansen | (301) 763-7304 |
| Nondurables | Michael Zampogna | (301) 763-2510 |
| Current Industrial Reports | | |
| Durables | Malcolm Bernhardt | (301) 763-2518 |
| Nondurables | Thomas Flood | (301) 763-5911 |
| Import/Export Publications | Foreign Trade Division | (301) 763-5140 |
| Industry Analysis and Forecasts | International Trade Administration | (202) 377-4356 |

# Table 1. Historical Statistics for the Industry: 1987 and Earlier Years

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix.]

| Year[1] | Companies[2] (no.) | All establishments[3] Total (no.) | All establishments[3] With 20 employees or more (no.) | All employees Number (1,000) | All employees Payroll (million dollars) | Production workers Number (1,000) | Production workers Hours (millions) | Production workers Wages (million dollars) | Value added by manufacture[4] (million dollars) | Cost of materials (million dollars) | Value of shipments (million dollars) | New capital expenditures (million dollars) | End-of-year inventories[4] (million dollars) | Ratios Specialization (percent) | Ratios Coverage (percent) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **INDUSTRY 2331, WOMEN'S, MISSES', AND JUNIORS' BLOUSES AND SHIRTS** | | | | | | | | | | | | | | | |
| 1987 Census | 1 403 | 1 496 | 864 | 74.2 | 866.8 | 63.7 | 110.0 | 590.9 | 1 921.2 | 1 982.3 | 3 871.1 | 40.2 | 440.7 | 80 | [5]70 |
| 1986 ASM | (NA) | (NA) | (NA) | 78.2 | 835.6 | 66.2 | 119.3 | 555.9 | 1 808.0 | 1 907.5 | 3 694.4 | [5]35.0 | 376.3 | (NA) | (NA) |
| 1985 ASM | (NA) | (NA) | (NA) | 82.1 | 845.6 | 70.0 | 126.3 | 583.6 | 1 729.0 | 1 876.3 | 3 642.9 | 33.8 | 384.3 | (NA) | (NA) |
| 1984 ASM | (NA) | (NA) | (NA) | 91.5 | 897.4 | 76.5 | 137.3 | 639.1 | 1 738.3 | 1 875.3 | 3 579.3 | 72.5 | 392.6 | (NA) | (NA) |
| 1983 ASM | (NA) | (NA) | (NA) | 93.1 | 921.2 | 79.3 | 141.8 | 655.1 | 1 774.2 | 2 030.9 | 3 804.1 | [5]40.2 | 363.6 | (NA) | (NA) |
| 1982 Census | 1 824 | 1 954 | 1 110 | 92.2 | 874.7 | 79.3 | 140.9 | 623.2 | 1 837.8 | 2 032.2 | 3 884.2 | 29.4 | 354.5 | 84 | [5]71 |
| 1981 ASM | (NA) | (NA) | (NA) | 81.9 | 761.9 | 70.6 | 127.7 | 566.1 | 1 557.0 | 1 500.3 | 3 026.8 | 36.8 | 319.5 | (NA) | (NA) |
| 1980 ASM | (NA) | (NA) | (NA) | 84.1 | 716.6 | 72.6 | 129.2 | 555.5 | 1 [illegible]18.9 | 1 292.6 | 2 715.5 | 34.3 | 259.2 | (NA) | (NA) |
| 1979 ASM | (NA) | (NA) | (NA) | 85.1 | 689.2 | 73.9 | 125.3 | 514.4 | 1 [illegible]33.5 | 1 280.6 | 2 673.1 | [5]32.8 | 257.4 | (NA) | (NA) |
| 1978 ASM | (NA) | (NA) | (NA) | 78.8 | 587.7 | 70.7 | 123.7 | 438.4 | 1 410.6 | 1 212.5 | 2 613.2 | [5]27.3 | 240.8 | (NA) | (NA) |
| 1977 Census | 1 297 | 1 422 | 959 | 83.8 | 572.2 | 74.2 | 125.8 | 426.7 | 1 198.6 | 1 169.4 | 2 344.2 | 24.3 | 223.8 | 85 | 75 |
| 1976 ASM | (NA) | (NA) | (NA) | 82.6 | 394.5 | 54.8 | 97.5 | 288.3 | 818.9 | 1 083.1 | 1 892.2 | 18.3 | 175.6 | (NA) | (NA) |
| 1975 ASM | (NA) | (NA) | (NA) | 82.0 | 365.9 | 54.9 | 97.5 | 274.2 | 743.6 | 954.3 | 1 696.2 | 10.9 | 157.2 | (NA) | (NA) |
| 1974 ASM | (NA) | (NA) | (NA) | 66.5 | 353.1 | 58.7 | 105.5 | 280.2 | 757.2 | 804.8 | 1 550.2 | 14.5 | 145.8 | (NA) | (NA) |
| 1973 ASM | (NA) | (NA) | (NA) | 65.9 | 349.8 | 57.8 | 100.7 | 256.4 | 678.8 | 734.3 | 1 397.0 | 10.8 | 151.6 | (NA) | (NA) |
| 1972 Census | 890 | 971 | 703 | 63.0 | 328.1 | 54.8 | 98.6 | 234.6 | 592.4 | 668.3 | 1 254.9 | 30.0 | 129.0 | 83 | [5]74 |
| **INDUSTRY 2335, WOMEN'S, MISSES', AND JUNIORS' DRESSES** | | | | | | | | | | | | | | | |
| 1987 Census | 5 111 | 5 118 | 1 720 | 113.2 | 1 363.7 | 91.9 | 142.5 | 864.5 | 3 166.1 | 3 288.6 | 6 430.8 | 31.9 | 709.8 | 96 | 95 |
| 1986 ASM | (NA) | (NA) | (NA) | 111.8 | 1 240.1 | 94.5 | 144.2 | 861.8 | 2 664.3 | 2 851.2 | 5 504.2 | 36.6 | 434.1 | (NA) | (NA) |
| 1985 ASM | (NA) | (NA) | (NA) | 121.0 | 1 254.9 | 105.2 | 152.3 | 901.6 | 2 576.6 | 2 716.1 | 5 277.2 | [5]58.4 | 483.2 | (NA) | (NA) |
| 1984 ASM | (NA) | (NA) | (NA) | 124.3 | 1 253.3 | 107.0 | 169.0 | 911.6 | 2 640.8 | 2 415.0 | 4 995.9 | [5]52.8 | 473.7 | (NA) | (NA) |
| 1983 ASM | (NA) | (NA) | (NA) | 139.5 | 1 543.0 | 121.7 | 225.0 | 1 165.2 | 2 548.3 | 2 328.0 | 4 858.9 | 34.8 | 435.1 | (NA) | (NA) |
| 1982 Census | 5 489 | 5 627 | 2 055 | 137.9 | 1 268.3 | 120.0 | 210.7 | 960.9 | 2 413.2 | 2 210.7 | 4 623.3 | 68.1 | 389.6 | 94 | 94 |
| 1981 ASM | (NA) | (NA) | (NA) | 166.0 | 1 377.2 | 144.7 | 254.1 | 1 033.4 | 2 519.0 | 2 063.8 | 4 569.6 | 110.0 | 417.3 | (NA) | (NA) |
| 1980 ASM | (NA) | (NA) | (NA) | 176.3 | 1 359.8 | 152.0 | 264.7 | 1 023.1 | 2 472.5 | 1 947.0 | 4 405.6 | 50.5 | 372.0 | (NA) | (NA) |
| 1979 ASM | (NA) | (NA) | (NA) | 162.8 | 1 218.2 | 139.8 | 245.3 | 904.3 | 2 256.0 | 1 826.0 | 4 081.5 | [5]38.5 | 358.6 | (NA) | (NA) |
| 1978 ASM | (NA) | (NA) | (NA) | 159.6 | 1 178.4 | 137.7 | 235.4 | 872.3 | 2 330.9 | 2 024.1 | 4 371.4 | [5]38.1 | 410.4 | (NA) | (NA) |
| 1977 Census | 5 924 | 6 112 | 2 448 | 168.6 | 1 153.4 | 146.8 | 250.6 | 849.3 | 2 152.3 | 1 912.5 | 4 047.5 | 43.9 | 370.0 | 93 | 94 |
| 1976 ASM | (NA) | (NA) | (NA) | 210.1 | 1 270.1 | 186.7 | 336.9 | 974.3 | 2 227.2 | 1 861.9 | 4 093.9 | 60.1 | 334.1 | (NA) | (NA) |
| 1975 ASM | (NA) | (NA) | (NA) | 201.1 | 1 183.6 | 177.9 | 313.8 | 911.9 | 2 083.3 | 1 749.9 | 3 859.8 | 58.0 | 317.7 | (NA) | (NA) |
| 1974 ASM | (NA) | (NA) | (NA) | 201.7 | 1 118.1 | 175.5 | 306.7 | 842.1 | 2 033.3 | 1 748.5 | 3 793.5 | 43.9 | 355.3 | (NA) | (NA) |
| 1973 ASM | (NA) | (NA) | (NA) | 215.1 | 1 147.8 | 188.1 | 315.8 | 869.1 | 2 041.8 | 1 944.3 | 3 988.5 | 41.5 | 364.8 | (NA) | (NA) |
| 1972 Census | 5 295 | 5 567 | 2 980 | 211.6 | 1 076.9 | 186.5 | 316.1 | 825.[illegible] | 1 888.7 | 1 698.2 | 3 580.0 | 32.6 | 319.5 | 96 | 96 |
| **INDUSTRY 2337, WOMEN'S, MISSES', AND JUNIORS' SUITS AND COATS** | | | | | | | | | | | | | | | |
| 1987 Census | 1 039 | 1 089 | 648 | 54.5 | 819.1 | 43.7 | 76.7 | 499.1 | 1 980.5 | 2 465.0 | 4 453.2 | 24.4 | 593.7 | 76 | [5]77 |
| 1986 ASM | (NA) | (NA) | (NA) | 47.6 | 641.7 | 38.3 | 64.7 | 389.0 | 1 731.3 | 2 303.0 | 4 005.3 | 27.3 | 540.1 | (NA) | (NA) |
| 1985 ASM | (NA) | (NA) | (NA) | 52.9 | 658.8 | 43.6 | 73.8 | 406.4 | 1 630.6 | 2 107.8 | 3 752.1 | 23.2 | 470.1 | (NA) | (NA) |
| 1984 ASM | (NA) | (NA) | (NA) | 63.8 | 756.4 | 52.5 | 93.9 | 483.9 | 1 872.6 | 2 362.2 | 4 238.5 | [5]35.4 | 515.3 | (NA) | (NA) |
| 1983 ASM | (NA) | (NA) | (NA) | 76.4 | 881.3 | 62.1 | 117.8 | 587.0 | 1 976.9 | 2 745.2 | 4 697.5 | 28.0 | 564.5 | (NA) | (NA) |
| 1982 Census | 1 432 | 1 512 | 900 | 78.2 | 871.1 | 63.2 | 125.8 | 579.0 | 2 067.1 | 2 772.6 | 4 886.7 | 30.5 | 499.7 | 75 | [5]82 |
| 1981 ASM | (NA) | (NA) | (NA) | 78.4 | 781.0 | 67.9 | 113.3 | 548.2 | 2 070.4 | 1 899.9 | 3 914.4 | 23.5 | 462.4 | (NA) | (NA) |
| 1980 ASM | (NA) | (NA) | (NA) | 78.1 | 730.3 | 67.6 | 115.2 | 515.1 | 1 622.0 | 1 612.7 | 3 195.5 | 28.9 | 399.2 | (NA) | (NA) |
| 1979 ASM | (NA) | (NA) | (NA) | 81.3 | 694.4 | 70.9 | 116.6 | 499.8 | 1 499.5 | 1 572.0 | 3 052.8 | 29.6 | 350.5 | (NA) | (NA) |
| 1978 ASM | (NA) | (NA) | (NA) | 81.4 | 669.2 | 67.8 | 117.0 | 495.8 | 1 459.2 | 1 545.0 | 2 972.3 | 21.9 | 339.4 | (NA) | (NA) |
| 1977 Census | 1 563 | 1 677 | 1 071 | 84.5 | 655.3 | 72.8 | 123.6 | 469.5 | 1 432.0 | 1 483.5 | 2 917.3 | 22.0 | 297.6 | 80 | [5]80 |
| 1976 ASM | (NA) | (NA) | (NA) | 73.6 | 532.9 | 63.0 | 115.3 | 379.3 | 1 069.7 | 1 226.4 | 2 286.7 | 27.1 | 222.7 | (NA) | (NA) |
| 1975 ASM | (NA) | (NA) | (NA) | 64.7 | 461.8 | 54.4 | 101.5 | 315.9 | 931.6 | 1 131.0 | 2 065.4 | [5]29.0 | 200.2 | (NA) | (NA) |
| 1974 ASM | (NA) | (NA) | (NA) | 68.7 | 451.5 | 57.6 | [5]94.1 | 314.6 | 929.0 | 1 040.9 | 1 977.0 | 18.5 | 192.8 | (NA) | (NA) |
| 1973 ASM | (NA) | (NA) | (NA) | 81.1 | 490.6 | 70.3 | 124.8 | 354.6 | 938.0 | 1 060.5 | 1 990.1 | [5]22.7 | 210.5 | (NA) | (NA) |
| 1972 Census | 1 548 | 1 616 | 1 023 | 75.9 | 446.7 | 64.9 | 116.8 | 323.6 | 839.8 | 979.1 | 1 805.3 | 16.4 | 177.7 | 84 | [5]80 |
| **INDUSTRY 2339, WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR, N.E.C.** | | | | | | | | | | | | | | | |
| 1987 Census | 2 057 | 2 162 | 984 | 108.0 | 1 271.2 | 93.6 | 157.7 | 896.0 | 2 850.4 | 2 610.1 | 5 424.8 | 73.1 | 768.0 | 80 | [5]66 |
| 1986 ASM | (NA) | (NA) | (NA) | 92.3 | 1 081.8 | 77.7 | 135.7 | 737.6 | 2 503.9 | 2 424.3 | 4 911.2 | 49.3 | 687.7 | (NA) | (NA) |
| 1985 ASM | (NA) | (NA) | (NA) | 98.7 | 1 106.0 | 84.0 | 140.5 | 770.4 | 2 348.9 | 2 460.2 | 4 816.2 | 47.3 | 645.6 | (NA) | (NA) |
| 1984 ASM | (NA) | (NA) | (NA) | 108.3 | 1 151.1 | 92.1 | 161.3 | 781.5 | 2 597.6 | 2 689.3 | 5 239.0 | 50.2 | 687.0 | (NA) | (NA) |
| 1983 ASM | (NA) | (NA) | (NA) | 108.2 | 1 109.9 | 90.6 | 162.2 | 742.4 | 2 365.7 | 2 493.0 | 4 847.5 | 51.9 | 603.7 | (NA) | (NA) |
| 1982 Census | 1 592 | 1 745 | 1 038 | 110.1 | 1 096.3 | 93.2 | 163.1 | 765.0 | 2 257.9 | 2 559.8 | 4 830.4 | 85.2 | 560.8 | 82 | [5]70 |
| 1981 ASM | (NA) | (NA) | (NA) | 117.5 | 1 000.9 | 99.6 | 176.1 | 733.9 | 2 418.0 | 2 184.3 | 4 582.2 | [5]50.1 | 623.6 | (NA) | (NA) |
| 1980 ASM | (NA) | (NA) | (NA) | 117.9 | 960.0 | [illegible]102.6 | 183.3 | 712.0 | 2 004.4 | 2 015.9 | 3 994.3 | 52.4 | 530.9 | (NA) | (NA) |
| 1979 ASM | (NA) | (NA) | (NA) | 109.4 | 827.4 | 94.6 | 165.9 | 605.7 | 1 679.7 | 1 741.8 | 3 399.6 | [5]44.9 | 472.6 | (NA) | (NA) |
| 1978 ASM | (NA) | (NA) | (NA) | 106.4 | 777.7 | 92.3 | 154.4 | 556.2 | 1 855.0 | 1 737.7 | 3 573.1 | 42.3 | 487.8 | (NA) | (NA) |
| 1977 Census | 1 634 | 1 802 | 1 072 | 104.4 | 735.3 | 88.3 | 152.1 | 530.8 | 1 579.5 | 1 732.6 | 3 294.7 | 42.4 | 433.8 | 80 | 78[1] |
| 1976 ASM | (NA) | (NA) | (NA) | 80.4 | 560.7 | 67.7 | 125.1 | 399.6 | 1 157.7 | 1 343.0 | 2 476.3 | 22.7 | 322.8 | (NA) | (NA) |
| 1975 ASM | (NA) | (NA) | (NA) | 74.1 | 499.2 | 61.8 | 118.2 | 348.7 | 1 027.3 | 1 304.1 | 2 366.4 | 29.1 | 291.9 | (NA) | (NA) |
| 1974 ASM | (NA) | (NA) | (NA) | 82.0 | 484.5 | 69.1 | 126.1 | 335.1 | 1 026.5 | 1 161.4 | 2 195.7 | 21.2 | 304.2 | (NA) | (NA) |
| 1973 ASM | (NA) | (NA) | (NA) | 87.3 | 462.7 | 76.0 | 136.6 | 344.8 | 943.7 | 1 045.7 | 1 978.6 | 18.7 | 259.9 | (NA) | (NA) |
| 1972 Census | 1 247 | 1 373 | 897 | 82.1 | 417.9 | 71.5 | 128.0 | 310.4 | 781.0 | 882.1 | 1 638.0 | 19.3 | 221.5 | 81 | [5]62 |

Note: Establishments of single unit companies with up to 20 employees (cutoff varied by industry) were excluded from the mail portion of the census. Data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were estimated based on administrative-record information from other agencies in conjunction with industry averages. These establishments accounted for the following percent of total value of shipments: SIC 2331, 17%; SIC 2335, 53%; SIC 2337, 14%; SIC 2339, 20%.

[1]In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1972, see 1972 Census of Manufactures, vol. II, table 1a of the industry chapter.

[2]For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

[3]Includes establishments with payroll at any time during year.

[4]Beginning with the 1982 Census of Manufactures, all respondents were requested to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior Censuses and annual surveys of manufactures in which respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, inventories and value added by manufacture are not comparable to prior-year data.

[5]Estimates for new capital expenditures have associated standard error of 15 percent or more and may be of limited reliability. Estimates for other data items are of acceptable reliability.

[6]Knit apparel made in knitting mills, as well as apparel made in this industry, are included in calculating coverage ratios.

[7]In 1977, data exclude shipments of women's, misses', and juniors' outerwear made in knitting mills (primary products of industry 2253); therefore, the coverage ratio is not comparable with other census years.

## Table 2. Product and Product Classes—Value of Shipments by All Producers: 1987 and 1982

[Includes value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text.]

| 1987 product code | Product | 1987 | | 1982 | |
|---|---|---|---|---|---|
| | | Number of companies with shipments of $100,000 or more | Value of product shipments[1] (million dollars) | Number of companies with shipments of $100,000 or more | Value of product shipments[1] (million dollars) |
| **2331- —** | **WOMEN'S, MISSES', AND JUNIORS' BLOUSES AND SHIRTS** | | | | |
| | **Total** | **(NA)** | **4 182.8** | **(NA)** | **4 258.2** |
| 23313 — | Women's, misses', and juniors' knit shirts and blouses (made from purchased knit fabrics): | | | | |
| 23313 00 | Women's, misses', and juniors' knit shirts and blouses (made from purchased knit fabrics) (see also code 2253B00) (for additional detail, see Current Industrial Report MA-23A, Apparel) | 317 | 1 257.8 | (NA) | 3 212.0 |
| 23314 — | Women's, misses', and juniors' woven shirts and blouses: | | | | |
| 23314 00 | Women's, misses', and juniors' woven shirts and blouses (for additional detail, see Current Industrial Report MA-23A, Apparel) | 396 | 1 952.7 | | |
| 23319 — | Contract and commission work on women's, misses', and juniors' blouses and shirts | (NA) | 689.6 | (NA) | 713.4 |
| 23319 00 | Receipts for contract and commission work on women's, misses', and juniors' blouses and shirts, typically for establishments with 10 employees or more (see note) | (NA) | 672.5 | (NA) | 686.9 |
| 23319 02 | Receipts for contract and commission work on women's, misses', and juniors' blouses and skirts, typically for establishments with less than 10 employees (see note) | (NA) | 17.1 | (NA) | i 26.5 |
| 23310 — | Women's, misses', and juniors' blouses and shirts, n.s.k. | (NA) | 282.6 | (NA) | 332.7 |
| 23310 00 | Women's, misses', and juniors' blouses and shirts, n.s.k., typically for establishments with 10 employees or more (see note) | (NA) | 224.7 | (NA) | 270.0 |
| 23310 02 | Women's, misses', and juniors' blouses and shirts, n.s.k., typically for establishments with less than 10 employees (see note) | (NA) | 57.0 | (NA) | 62.8 |
| **2335- —** | **WOMEN'S, MISSES', AND JUNIORS' DRESSES** | | | | |
| | **Total** | **(NA)** | **6 323.4** | **(NA)** | **4 534.7** |
| 23353 — | Women's, misses', and juniors' dresses (made from woven fabrics or purchased knit fabrics): | | | | |
| 23353 00 | Dresses (made from woven fabrics or purchased knit fabrics) (see also code 2253D11) (for additional detail, see Current Industrial Report MA-23A, Apparel) | (NA) | 4 965.4 | 879 | 2 988.6 |
| 23359 — | Contract and commission work on women's, misses', and juniors' dresses | (NA) | 651.1 | (NA) | 1 029.1 |
| 23359 00 | Receipts for contract and commission work on women's, misses', and juniors' dresses, typically for establishments with 10 employees or more (see note) | (NA) | 632.2 | (NA) | 972.3 |
| 23359 02 | Receipts for contract and commission work on women's, misses', and juniors' dresses, typically for establishments with less than 10 employees (see note) | (NA) | 18.9 | (NA) | 56.8 |
| 23350 — | Women's, misses', and juniors' dresses, n.s.k. | (NA) | 706.9 | (NA) | 517.0 |
| 23350 00 | Women's, misses', and juniors' dresses, n.s.k., typically for establishments with 10 employees or more (see note) | (NA) | 423.5 | (NA) | 372.2 |
| 23350 02 | Women's, misses', and juniors' dresses, n.s.k., typically for establishments with less than 10 employees (see note) | (NA) | 283.4 | (NA) | 144.8 |
| **2337- —** | **WOMEN'S, MISSES', AND JUNIORS' SUITS AND COATS** | | | | |
| | **Total** | **(NA)** | **4 044.1** | **(NA)** | **4 288.9** |
| 23371 — | Women's, misses', and juniors' coats (except fur and leather): | | | | |
| 23371 00 | Women's, misses', and juniors' coats and capes (except fur and leather), including wool water repellent but excluding raincoats (for additional detail, see Current Industrial Report MA-23A, Apparel) | 132 | 720.7 | 183 | 621.9 |
| 23372 — | Women's, misses', and juniors' suits (made from woven fabrics or purchased knit fabrics): | | | | |
| 23372 00 | Women's, misses', and juniors' suits, including pants suits and military-type uniform suits, but excluding ski and snowsuits (see also code 2253D13) (for additional detail, see Current Industrial Report MA-23A, Apparel) | 117 | 363.8 | (NA) | 407.1 |
| 23374 — | Women's, misses', and juniors' skirts, jackets, and vests (made from woven fabrics or purchased knit fabrics) | (NA) | 2 141.8 | (NA) | 2 351.2 |
| 23374 10 | Separate skirts, including military-type uniform skirts (for additional detail, see Current Industrial Report MA-23A, Apparel) | 327 | 1 378.9 | | |
| 23374 20 | Jackets and vests, tailored, including military-type uniform jackets but excluding fur and leather (for additional detail, see Current Industrial Report MA-23A, Apparel) | 183 | 710.2 | 669 | 2 351.2 |
| 23374 00 | Women's, misses' and juniors' skirts and jackets, n.s.k. | 22 | 52.8 | | |
| 23379 — | Contract and commission work on women's, misses', and juniors' coats, suits, and skirts | (NA) | 554.1 | (NA) | 513.7 |
| 23379 00 | Receipts for contract and commission work on women's, misses', and juniors' coats, suits, skirts, and tailored and nontailored jackets, typically for establishments with 10 employees or more (see note) | (NA) | 545.7 | (NA) | 503.5 |
| 23379 02 | Receipts for contract and commission work on women's, misses', and juniors' suits, skirts, and coats, typically for establishments with less than 10 employees (see note) | (NA) | 8.4 | (NA) | 10.2 |
| 23370 — | Women's, misses', and juniors' suits, skirts, and coats, n.s.k. | (NA) | 263.7 | (NA) | 395.1 |
| 23370 00 | Women's, misses', and juniors' suits, skirts, and coats, n.s.k., typically for establishments with 10 employees or more (see note) | (NA) | 204.7 | (NA) | 333.9 |
| 23370 02 | Women's, misses', and juniors' suits, skirts and coats, n.s.k., typically for establishments with less than 10 employees (see note) | (NA) | 59.0 | (NA) | 61.2 |

See footnotes at end of table.

## Table 2. Product and Product Classes—Value of Shipments by All Producers: 1987 and 1982—Con.

[Includes value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text.]

| 1987 product code | Product | 1987 | | 1982 | |
|---|---|---|---|---|---|
| | | Number of companies with shipments of $100,000 or more | Value of product shipments[1] (million dollars) | Number of companies with shipments of $100,000 or more | Value of product shipments[1] (million dollars) |
| 2339- -- | **WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR, N.E.C.** | | | | |
| | **Total** | **(NA)** | **5 700.2** | **(NA)** | **5 159.5** |
| 23392 -- | Women's, misses', and juniors' washable service apparel (made from woven fabrics or purchased knit fabrics) | | | | |
| 23392 00 | Women's, misses', and juniors' washable service apparel, including aprons, smocks, hoovers, and uniforms for maids, nurses, and waitresses (for additional detail, see Current Industrial Report MA-23A, Apparel) | 52 | 238.6 | 64 | 250.4 |
| 23394 -- | Women's, misses', and juniors' bathing suits (made from woven fabrics or purchased knit fabrics) | | | | |
| 23394 00 | Women's, misses', and juniors' bathing suits (made from woven fabrics or purchased knit fabrics) (see also code 2253D16) (for additional detail, see Current Industrial Report MA-23A, Apparel) | 58 | 444.4 | 59 | 387.1 |
| 23395 -- | Women's, misses', and juniors' slacks, including jeans and jean-cut casual slacks (made from woven fabrics or purchased knit fabrics) | | | | |
| 23395 00 | Women's, misses', and juniors' slacks, including jeans and jean-cut casual slacks (made from woven fabrics or purchased knit fabrics) (see also code 2253D15) (for additional detail, see Current Industrial Report MA-23A, Apparel) | 317 | 2 302.6 | 383 | 2 591.2 |
| 23397 -- | Women's, misses', and juniors' outerwear, n.e.c. (made from woven fabrics or purchased knit fabrics) | (NA) | 1 189.3 | (NA) | 643.7 |
| 23397 20 | Athletic uniforms, sold as such (see also code 2253D19) (for additional detail, see Current Industrial Report MA-23A, Apparel) | 34 | 32.4 | 29 | 23.2 |
| 23397 30 | Sweaters, including sweater vests (see also code 2253500) (for additional detail, see Current Industrial Report MA-23A, Apparel) | 76 | 210.7 | 52 | 119.7 |
| 23397 60 | Play garments, including shorts, pedal pushers, Bermudas, and Jamaicas (see also code 2253D19) (for additional detail, see Current Industrial Report MA-23A, Apparel) | 123 | 312.2 | 87 | 195.1 |
| 23397 70 | Scarfs, dickies, and other neckwear (see also code 2253D19) | 17 | 27.2 | 13 | 34.0 |
| 23397 80 | All other outerwear, including jogging pants and suits, ski suits and jackets, leotards, pants dresses, nontailored jackets, heavy outerwear jackets, etc. (see also code 2253D19) | (NA) | 546.3 | 138 | 182.2 |
| 23397 90 | Women's, misses', and juniors' other outerwear, n.e.c., n.s.k. | (NA) | 58.3 | (NA) | 29.5 |
| 23399 -- | Contract and commission work on women's, misses', and juniors' outerwear, n.e.c. | (NA) | 940.9 | (NA) | 780.9 |
| 23399 00 | Receipts for contract and commission work on women's, misses', and juniors' outerwear, n.e.c., typically for establishments with 10 employees or more (see note) | (NA) | 921.3 | (NA) | 768.0 |
| 23399 02 | Receipts for contract and commission work on women's, misses', and juniors' outerwear, n.e.c., typically for establishments with less than 10 employees (see note) | (NA) | 13.6 | (NA) | 12.9 |
| 23990 -- | Women's, misses', and juniors' outerwear, n.e.c., n.s.k. | (NA) | 584.5 | (NA) | 506.3 |
| 23990 00 | Women's, misses', and juniors' outerwear, n.e.c., n.s.k., typically for establishments with 10 employees or more (see note) | (NA) | 436.0 | (NA) | 428.9 |
| 23990 02 | Women's, misses', and juniors' outerwear, n.e.c., n.s.k., typically for establishments with less than 10 employees (see note) | (NA) | 148.4 | (NA) | 77.4 |

Note: In 1982 Census of Manufactures, data for establishments of small single unit companies with up to 20 employees were estimated from administrative-records data rather than data actually collected from respondents. Employment cutoffs used for administrative-records for each industry and shipments figures are included in code ending with "002". In both 1987 and 1982 Censuses of Manufactures, products not completely identified on standard forms were coded in appropriate product class (five-digit) followed by "00" or to appropriate product group code (four-digit) followed by "000".

[1]Data reported by all producers, not just those with shipments of $100,000 or more.

[2]For some establishments, data have been estimated from central unit values which are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: * 10 to 19 percent estimated; ** 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S).

## Table 3. Materials Consumed by Kind: 1987 and 1982

[Includes cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendix. For meaning of abbreviations and symbols, see introductory text]

| 1987 material code | Material | 1987 delivered cost (million dollars) | 1982 delivered cost (million dollars) |
|---|---|---|---|
| | **INDUSTRY 2331, WOMEN'S, MISSES', AND JUNIORS' BLOUSES AND SHIRTS** | | |
| | **Materials, containers, and supplies** | 1 310.0 | 1 236.9 |
| 220129 | Broadwoven fabrics | 676.2 | 476.8 |
| 225078 | Knit fabrics | 361.5 | 247.9 |
| 970099 | All other materials, containers, and supplies | 100.3 | 107.8 |
| 971000 | Materials, containers, and supplies, n.s.k.[1] | 172.0 | 404.4 |
| | **INDUSTRY 2335, WOMEN'S, MISSES', AND JUNIORS' DRESSES** | | |
| | **Materials, containers, and supplies** | 2 292.2 | 1 372.4 |
| 220129 | Broadwoven fabrics | 681.7 | 383.6 |
| 225078 | Knit fabrics | 158.7 | 163.5 |
| 970099 | All other materials, containers, and supplies | 127.4 | 86.9 |
| 971000 | Materials, containers, and supplies, n.s.k.[1] | 1 324.4 | 738.4 |
| | **INDUSTRY 2337, WOMEN'S, MISSES', AND JUNIORS' SUITS AND COATS** | | |
| | **Materials, containers, and supplies** | 1 497.7 | 1 642.6 |
| 220129 | Broadwoven fabrics | 1 048.0 | 567.7 |
| 225078 | Knit fabrics | 142.2 | 107.9 |
| 970099 | All other materials, containers, and supplies | 116.2 | 234.2 |
| 971000 | Materials, containers, and supplies, n.s.k.[1] | 191.3 | 732.8 |
| | **INDUSTRY 2339, WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR, N.E.C.** | | |
| | **Materials, containers, and supplies** | 1 745.6 | 1 538.3 |
| 220129 | Broadwoven fabrics | 820.4 | 600.7 |
| 225078 | Knit fabrics | 339.0 | 211.0 |
| 970099 | All other materials, containers, and supplies | 221.9 | 144.6 |
| 971000 | Materials, containers, and supplies, n.s.k.[1] | 364.3 | 582.0 |

[1]Total cost of materials of establishments that did not report detailed materials data, including establishments that were not mailed a form.

# APPENDIX
# Scope and Coverage and Explanation of Terms

## GENERAL

The 1987 Census of Manufactures is the 32nd census of manufacturing establishments conducted in the United States. For 1987, it was conducted as part of the economic censuses, which included the censuses of mineral industries, construction industries, retail and wholesale trades, service industries, selected transportation activities, and minority-owned and women-owned businesses, under authority of title 13 of the United States Code. Title 13 specifies that an economic census be conducted every 5 years to cover years ending in 2 and 7.

## SCOPE AND COVERAGE

### Establishment Basis of Reporting

The census of manufactures is conducted on an establishment basis. All manufacturing establishments with one paid employee or more at any time during the year are covered by the census of manufactures. Therefore, a company operating at more than one location is required to file a separate report for each location. This report excludes information for separately operated administrative offices, warehouses, garages, and other auxiliary units which service manufacturing establishments of the same company. Where these auxiliary operations are conducted at the same location as the manufacturing operation, they are usually included in the report for the operating manufacturing establishment.

### Use of Administrative Records

From a universe of approximately 350,000 manufacturing establishments in the 1987 Census of Manufactures, approximately 150,000 small single-establishment companies were excused from filing reports. Selection of the small establishment nonmail cases was done on an industry-by-industry basis. A variable cutoff was used to determine those establishments for which administrative records were to be used in place of a census report. The cutoffs were selected so the administrative-record cases would account for approximately 3 percent or less of the value of shipments for the industry. These cutoffs were then adjusted so that all single-establishment companies with less than 5 employees were excluded from the mail canvass, while all establishments with more than 20 employees were included. Where establishments in the 5 to 20 employee size range were included in the mail canvass, an abbreviated census form was frequently used.

For these nonmail establishments, (and a small number of larger establishment whose reports were not received at the time the data were tabulated) data on employment, payroll, and receipts were obtained from administrative records of other government agencies rather than from census forms. The administrative-record information was then used in conjunction with industry averages to estimate the data for these establishments. The value of shipments and cost of materials were not distributed among specific products and materials but were included in the product and material "not specified by kind" (n.s.k.) categories.

## EXPLANATION OF TERMS

**Number of establishments and companies**–A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

**All employees**–Includes all full-time and part-time employees on the payrolls at any time during the year. Included are all persons on paid sick leave, paid holidays, and paid vacations. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average of those for midmonth payroll periods of March, May, August, and November.

**Production workers**–Includes workers up through the working-supervisor level engaged in fabricating, processing, assembling, inspecting, receiving, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., powerplant), recordkeeping, and other closely associated services. Truckdrivers delivering ready-mixed concrete are also included in production workers.

**Other employees**–Includes nonproduction personnel, including those engaged in the following activities: supervision above working-supervisor level, sales (including driver/salespersons), sales delivery (truckdrivers and helpers), advertising, credit collection, instal'ation and

servicing of own product, clerical and routine office functions, executive, purchasing, finance, legal, personnel (including cafeteria, etc.), professional, and technical employees.

**Payroll**–Includes the gross earnings for the "employees" defined above, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Respondents were told that in reporting they could follow the definition of payrolls used for calculating the Federal withholding tax.

**Production-worker hours**–Covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave when the employee was not at the plant.

**Cost of materials**–Refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuels consumed, regardless of whether they were purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

The important components of this cost item are (a) all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year; (b) electric energy purchased; (c) fuels consumed for heat, power, or generating electricity; (d) work done by others on materials or parts furnished by manufacturing establishments (contract work); and (e) products bought and resold in the same condition.

**Specific materials consumed (table 3)**–In addition to the total cost of materials which every establishment was required to report, information was also collected for most manufacturing industries on the consumption of major materials used in manufacturing. These inquiries were restricted to those materials which were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers' records. Establishments consuming less than a specified amount (usually $10,000) of a specific material were not requested to report consumption of that material separately. Also, the cost of materials for the small establishments for which administrative records were used was estimated as "not specified by kind" (n.s.k.).

**Value of shipments and other receipts**–Generally refers to received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts such as receipts for contract work performed for others, installation and repair receipts, sale of scrap, and sale of products bought and resold without further processing. Included are all items made by or for the establishment from materials owned by it whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In a few industries, the value of production or value of work completed is used instead of value of shipments. These industries are identified in the introduction and are footnoted in table 1.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, that is, including not only the direct costs of production but also a reasonable proportion of "all other costs" (including company overhead and profit).

**Shipments or production of individual products (table 2)**–In the 1987 census, detailed shipment information was collected for approximately 11,000 individual products. These products are identified by a seven-digit code and are grouped into approximately 1,500 classes of products, which in turn are primary to 459 four-digit industries. Data at the five-digit product-class level have been collected each year as part of the annual survey of manufactures. Information at the seven-digit level, collected for many industries in the current industrial reports program, is not included in this table.

**Value added by manufacture**–This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments for products manufactured plus receipts for services rendered. The result of this calculation is then adjusted by the addition of value added by merchandising operations (that is, the difference between the sales value and cost of merchandise sold without further manufacturing, processing, or assembly) plus the net change in finished goods and work-in-process inventories between the beginning and end of the year.

For those industries where value of production is collected instead of value of shipments (see footnote in table 1), value added is adjusted only for the change in work-in-process inventories between the beginning and end of the year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

Value added avoids the duplication in the figure for value of shipments which results from the use of products of some establishments as materials by others. Value

added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

**Expenditures for new plant and equipment**–Establishments in operation and any known plants under construction were asked to report their expenditures for (a) permanent additions and major alterations to manufacturing establishments and (b) new machinery and equipment used for replacement and additions to plant capacity if they are of the type for which depreciation accounts are ordinarily maintained.

These totals exclude expenditures for used plant and equipment, expenditures for land, and cost of maintenance and repairs charged as current operating expenses. Data for used plant and equipment will be published in the final industry bulletin.

**End-of-year inventories**–Comprised of (a) finished products; (b) work-in-process; and (c) materials, supplies, fuels, etc. Beginning in 1982, respondents were asked to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior years in which respondents were permitted to value their inventories using any generally accepted accounting method. Therefore, 1982 through 1987 data for inventories are not strictly comparable to prior-year data

**Specialization and coverage ratios**–An establishment is classified in a particular industry if its shipments of primary products of the industry exceed in value its shipments of the products of any other single industry. An establishments' shipments include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), and receipts for miscellaneous activities (merchandising, contract work, resales, etc.). The following ratios have been developed to measure the relationship of primary product shipments to the data on shipments for the industry shown in table 1 and data on product shipments shown in table 2.

**Specialization ratio**–Represents the ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for the establishments classified in the industry.

**Coverage ratio**–Represents the ratio of primary products shipped by the establishments classified in the industry to the total shipments of such products that are shipped by all manufacturing establishments, wherever classified.

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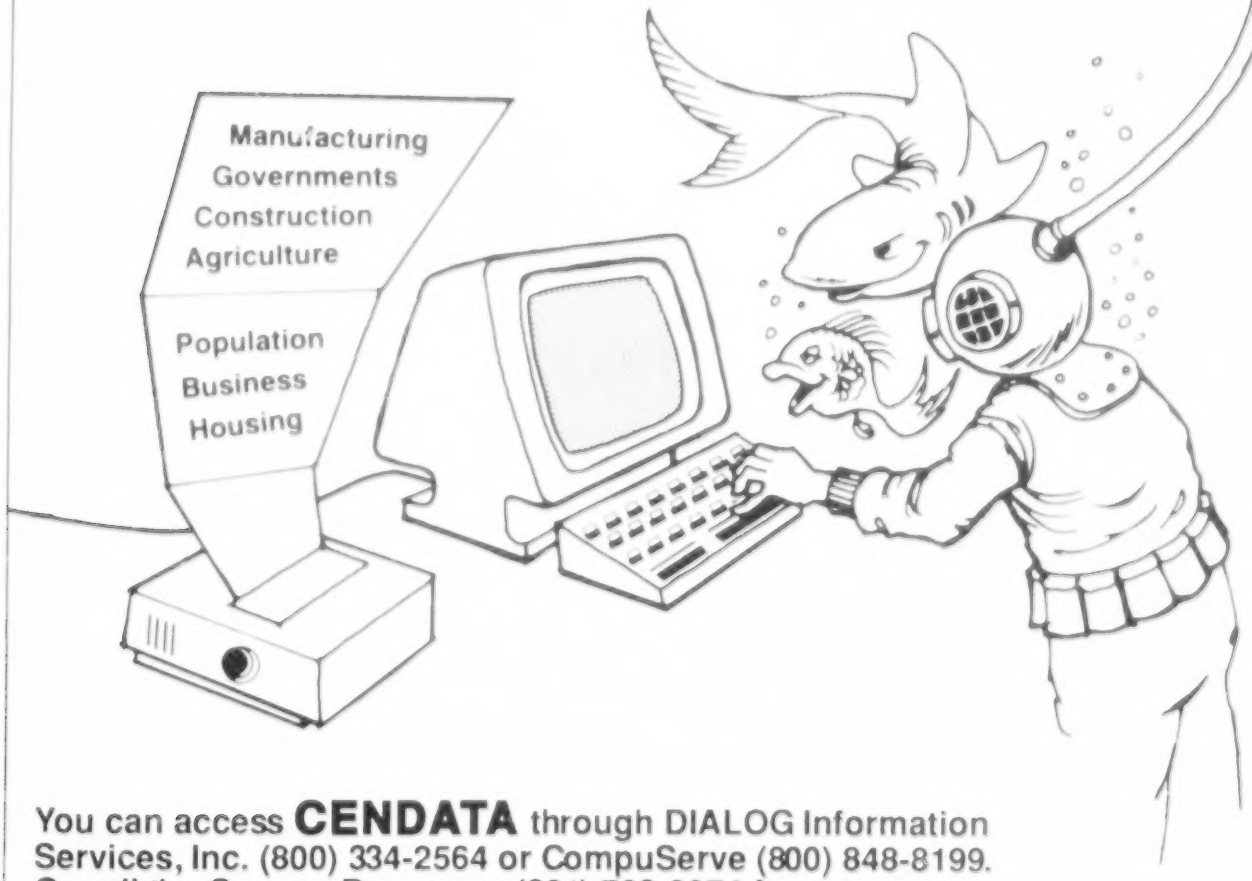


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